LMS/MNT/51816

Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: April 1–June 30, 2025

August 2025

U.S. DEPARTMENT OF ENERGY | Legacy Management

This document has been designed for online viewing.

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Abbreviations

AOA	Area of Attainment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
FFA	Federal Facility Agreement
gpad	gallons per acre per day
GRO	Groundwater Remedy Optimization
IC	institutional control
LCRS	Leachate Collection and Removal System
LDS	Leak Detection System
LM	Office of Legacy Management
LTS&M	long-term surveillance and maintenance
LTS&M Plan	Long-Term Surveillance and Maintenance Plan
MMTS	Monticello Mill Tailings Site
MVP	Monticello Vicinity Properties
NPL	National Priorities List
OU	Operable Unit
PRB	permeable reactive barrier
P&T	pump-and-treat
TSF	Temporary Storage Facility
UDEQ	Utah Department of Environmental Quality
UDOT	Utah Department of Transportation
ZVI	zero-valent iron

1.0 Introduction

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) submits this quarterly report to inform the U.S. Environmental Protection Agency (EPA) and the Utah Department of Environmental Quality (UDEQ) of the status of the Monticello Vicinity Properties (MVP) and the Monticello Mill Tailings Site (MMTS), collectively called the LM Monticello, Utah, Disposal and Processing Sites, for April 1 through June 30, 2025. The MVP and MMTS are National Priorities List (NPL) sites regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as described in Title 42 *United States Code* Section 9601 et seq. (42 USC 9601 et seq.). Quarterly reports are submitted to EPA and UDEQ in February (for October through December), May (for January through March), August (for April through June), and November (for July through September).

LM assesses MVP and MMTS conditions and remedy protectiveness through (1) monthly, quarterly, and annual inspections of site infrastructure and operations as specified in the *Long-Term Surveillance and Maintenance Plan for Monticello NPL Sites* (DOE 2022a), also called the Long-Term Surveillance and Maintenance Plan (LTS&M Plan); (2) semiannual monitoring of groundwater and surface water under the *Record of Decision for the Monticello Mill Tailings (USDOE) Site Operable Unit III, Surface Water and Ground Water, Monticello, Utah* (DOE 2004); and (3) CERCLA Five-Year Review reports.

The primary long-term surveillance and maintenance (LTS&M) activities at the MVP and MMTS are conducted to (1) provide radiological control at properties where residual soil contamination from uranium mill tailings remains in place (supplemental standards properties), (2) operate and maintain the mill tailings repository, (3) ensure that institutional controls (ICs) restricting the use of land and water remain effective, (4) monitor water quality restoration progress, and (5) operate the Operable Unit (OU) III pump-and-treat (P&T) Groundwater Remedy Optimization (GRO) system. This system, implemented in January 2015, focuses on groundwater remediation within a specified region of the alluvial aquifer called the Area of Attainment (AOA).

Annual groundwater reports present comprehensive data evaluation for the groundwater and surface water OU III remedy. LM has utilized the data presented in the most recent annual groundwater report to update the conceptual site model and develop a three-dimensional numerical fate and transport model to assess remedial time frames.

Project milestones and guiding documents are further described in the *Monticello Site Management Plan* (DOE 2003). Section 5.0 of that document is updated annually.

1.1 Quarterly Site Status

In summary, the activities and observations for this quarter consist of the following:

- The GRO system remained inactive during the reporting period, with no extraction of groundwater or uranium. The GRO system was offline from April 1 to June 30 this quarter as a result of a liner tear in Pond 4. During this reporting period, the system did not extract any water from the AOA.
- The previous period's Federal Facility Agreement (FFA) quarterly report was submitted to EPA and UDEQ in May 2025.

- Weekly site inspections were performed by site personnel to verify the integrity of the site's systems and monitor activities that might occur in supplemental standards properties (e.g., City of Monticello streets and utility corridors).
- Site personnel performed monthly and quarterly site inspections in accordance with the LTS&M Plan; however, the *Monticello Long-Term Surveillance and Maintenance Temporary Storage Facility (TSF) Record Book Inspection Report* was not prepared during this reporting period.
- Routine surveillance identified one anomalous condition for the MVP remedy.
- Routine surveillance did not note any violations of MMTS ICs that restrict land and groundwater use.
- Lysimeter sensors and telemetry equipment were installed on the repository on May 27–30, 2025.
- As a result of a power outage during the previous reporting period, the GRO system and Pond 4 Leachate Collection Removal System (LCRS) and Leak Detection System (LDS) were shut down. After power was restored, both the LCRS and LDS pumped at an increased rate, exceeding the 7-day rolling average for the LDS as reported to EPA regulators on March 26, 2025, as well as exceeding the action level for gallons per day for the LCRS as reported to EPA regulators on April 10, 2025.
  - Corrective actions included scheduling a subcontractor to conduct multiple liner-related activities on April 30, 2025, including repairs and a visual inspection. During the April repair activities, a crack in the liner was identified approximately 1 foot below the water surface elevation. To facilitate access and enable proper executions of the necessary repair, additional water evaporation was required to lower the water level. As a precaution, the GRO system has been offline since March 26, 2025, and will remain inactive until a follow-on liner repair and coupon sampling activities scheduled for August 6, 2025, are completed.
- Currently, there is no indication of a release to the environment.

2.0 MVP

LTS&M activities for the MVP consist of providing radiological control at excavations in Monticello site roadway and utility corridors, in Utah Department of Transportation (UDOT) rights-of-way within city limits, and at property MS-00176-VL (a privately owned supplemental standards property).

Surveillance results for this quarter are as follows:

- An anomalous condition for the MVP remedy was noted.
- LM representatives continued to coordinate with city and UDOT officials via telecommunications and in-person meetings regarding construction and excavation activities by the city, UDOT, and utility companies in roadway and utility corridors. LM follows the normal LTS&M protocol to provide radiological control in the affected roadways.

- Five excavations occurred this quarter within roadway and utility corridors, as well as UDOT right-of-way areas. Radiological scanning was done on all excavations, and no contaminated material was revealed.
- Surveillance of private property MS-00176-VL identified no excessive erosion or building construction of supplemental standards material during this reporting period. However, on April 21, 2025, a violation of the land-use restriction was identified. An individual installed a culvert and displaced a portion of the existing hillside over the culvert to secure it in place. The responsible party and the nearest property owner were subsequently informed of the ICs applicable to MS-00176. No additional violations have been observed at this location since the incident.

3.0 MMTS

LTS&M activities for the MMTS consist of (1) maintaining the onsite repository and operating the associated LCRS and LDS for the disposal cell and Pond 4, (2) surveillance of properties affected by groundwater-use and land-use ICs on the former Monticello mill (mill site) and peripheral properties, and (3) operation and maintenance of the OU III GRO system.

3.1 OU I

OU I consists of the properties that contain the mill site and repository. Radioactively contaminated materials were removed from the MVP, the mill site, and peripheral properties (OU II) and encapsulated at the repository as a remedial action completed in 1999. LM owns and manages the repository, and the city owns the former mill site and manages it as a public park.

3.1.1 Repository and Pond 4

Monthly, quarterly, and annual inspections of the repository ensure that remedy controls remain intact and that the waste remains isolated from the environment.

Inspection observations and maintenance activities for the quarter consisted of the following:

- A total of 36 soil sensors were installed at three separate sensor nest locations on the repository cover. A telemetry station and a total of four grounding rods were installed during work activities.
- No area of the repository cover showed settling, slumping, fracturing, seepage, ponding, or significant erosion.
- As previously mentioned, an anomalous condition was observed at Pond 4, the engineered solar evaporation pond. During the 2024 Annual Inspection on September 26, 2024, a tear was discovered in the liner above the water level. Since the 2024 Annual Inspection, additional holes above the water level have been identified and confirmed by a subcontractor. LM is currently coordinating with the subcontractor to perform the repairs and assess the overall condition of the liner. Surveillance checklists for this quarter are included as Appendix A.

- Burrowing activity by small rodents was observed on the southeast portion of the Pond 4 berm during the Monthly Pond 4 Surveillance Inspection conducted within this reporting period. This area will continue to be monitored.
- During the 2024 Annual Inspection, minor erosional features were observed along the eastern perimeter of Pond 4. While the extent of erosion does not currently warrant corrective action, the area will remain under continued surveillance as part of routine monthly inspections.
- The disposal cell LCRS and LDS were operated in accordance with the requirements specified in the LTS&M Plan. Findings for the disposal cell LCRS and LDS this quarter include the following:
  - Leachate production from the disposal cell was approximately 105 gallons per week combined for sumps LCRS 1 and LCRS 2. There is no action level for the disposal cell LCRS. See Appendix B for a graphical depiction of leachate production history.
- The disposal cell LDS continues to not receive any water; therefore, the disposal cell LDS action-level leakage rate was not exceeded.
- Pond 4 LCRS and LDS action levels, approved by EPA and UDEQ, were formally developed in the *Repository and Pond 4 Groundwater Contingency Plan-Final* (DOE 1998) and are also found in Appendix D, Section 5.0, of the LTS&M Plan. The action-level leakage rate established for the Pond 4 LCRS is 851 gallons per acre per day (gpad) (2000 gallons per day), and the action leakage rate for the LDS is 20 gpad (47 gallons per day), which is averaged over a 7-day period. These action leakage rates are based on the area of the floor of Pond 4, which is 2.35 acres. Currently, the LCRS and LDS monitoring and pumping systems are functioning as designed to recirculate water back into Pond 4. Findings for the Pond 4 LCRS and LDS for this quarter are as follows:
  - Water collection at the Pond 4 LDS decreased during the reporting period and remained below the action level. The action level for the LCRS of 2000 gallons per day was exceeded during this reporting period and was reported to EPA and UDEQ via a notification letter on April 10, 2025.

3.1.2 TSF

A routine surveillance inspection of the TSF was conducted during this reporting period. A comprehensive emergency inspection of the TSF was performed on April 16, 2025, and again on June 25, 2025, to verify that the facility remains in proper working condition (see the surveillance checklists in Appendix A). Routine surveillance of the TSF ensures that the maintenance and radiological controls that govern the access to and placement, storage, and transfer of contaminated material in the TSF are current and effective. Surveillance during the April and June inspections revealed the following:

- The TSF cover, fencing, radiological controls, and signs have been maintained in accordance with the LTS&M Plan, and the TSF has been inspected and verified as being ready to receive contaminated materials.

LM is required to initiate the transfer of TSF materials for permanent disposal at the Grand Junction, Colorado, Disposal Site when the contents reach a volume of approximately 75 cubic yards. Recent TSF activity consists of the following:

- Approximately 6.5 cubic yards of soil excavated from the city streets is currently stored in the TSF.

3.1.3 Mill Site

LM conducts surveillance of the mill site (properties MP-00181-VL and MS-00893-OT) to ensure compliance with ICs implemented to preserve the OU I remedy for soil and groundwater. ICs applicable to the mill site include prohibitions on installing domestic-use wells in the alluvial aquifer, using the property for residential purposes, constructing habitable structures, and camping overnight, as well as preserving the property for day use as a public park.

Surveillance results for this quarter revealed:

- No nonconformance with water-use and land-use restrictions.
- Previously identified significant erosion on walking paths within the Mill Site Recreational Area. Site personnel notified City of Monticello employees of the issue on October 17, 2024. A formal letter from LM, which included maps and photographs documenting the erosion on city-owned property, was emailed to the city manager on January 6, 2025. Repairs on city-owned property fall under the responsibility of the City of Monticello and are outside the jurisdiction and authority of LM. All identified erosion issues along the walking paths were addressed and repaired by a city subcontractor in spring 2025.

3.2 OU II

OU II consists of private and city-owned properties peripheral to the mill site. LM conducts surveillance of OU II properties to verify compliance with ICs implemented to preserve the OU II remedy for soil and groundwater.

Surveillance results for this quarter are summarized below for the different components of OU II.

- **Montezuma Creek Restrictive Easement Area (supplemental standards properties, both city-owned and privately owned):** No evidence of nonconformance with land-use restrictions (e.g., prohibitions on soil removal and construction of habitable structures in supplemental standards properties) was observed.
- **Groundwater-Use Restrictions:** These were applied to several OU II properties under the 2000 quitclaim deed by which DOE transferred selected properties to the city. No evidence of nonconformance with these restrictions (e.g., prohibition on installing domestic-use wells in the alluvial aquifer) was observed.
- **Property MP-00211-VL (city-owned):** No evidence of nonconformance with the land-use restriction on building construction was observed.
- **Pinyon-Juniper Supplemental Standards Properties (city-owned):** No evidence of nonconformance with land-use and groundwater-use restrictions was observed. A small amount of erosion was observed near the GRO building during the 2024 Annual Inspection.

Additionally, a small amount of radiologically contaminated material was detected, and site personnel are monitoring the area for any worsening conditions.

- **Excessive Erosion:** No storm events resulted in more than 2.8 inches of precipitation in 24 hours, which would require surveillance of supplemental standards cleanup properties for excessive erosion.

3.3 OU III

OU III consists of groundwater and surface water contamination resulting from operation of the mill site. Routine monitoring of OU III (water quality and water level) is normally performed semiannually in April (spring) and October (fall).

The contaminated groundwater is within the alluvial aquifer beneath the valley of Montezuma Creek, some sections of which are contaminated by the influent of contaminated groundwater. A portion of the aquifer is subject to ICs restricting use. Montezuma Creek is used for limited irrigation and livestock watering. There are currently no ICs in place to prevent surface water use; however, LM is actively developing ICs to prohibit its domestic use.

LM mailed certified letters on September 26, 2024, notifying potentially impacted property owners of existing ICs, associated restrictions, the intent to develop surface water ICs, and other conditions applicable to privately owned parcels. The notification addressed EPA's request to evaluate the use of Montezuma Creek surface water and assess the potential need for additional protections for domestic use of surface water in the area, ensuring the long-term protection of human health and the environment.

The current groundwater remedy includes (1) monitored natural attenuation with ICs and (2) P&T remediation by evaporation that was implemented as the GRO system in January 2015. Operation and performance of the groundwater remedy are reported annually. Previous remediation efforts have included (1) in situ treatment by zero-valent iron (ZVI) within a permeable reactive barrier (PRB) and (2) P&T remediation that used ex situ ZVI treatment. The ex situ ZVI treatment system was deactivated in December 2014 and replaced by the GRO system, which is described in greater detail in Section 3.3.2. The PRB remains a component of the GRO system as a groundwater flow barrier.

3.3.1 Groundwater Restricted Area

During spring and fall, LM conducts surveillance of properties where groundwater contamination is present to ensure compliance with the groundwater-use restriction (i.e., no installation of domestic-use wells in the alluvial aquifer). The affected OU III properties constitute the Monticello Groundwater Restricted Area as defined and administered by the State of Utah Division of Water Rights. Surveillance found:

- No evidence of nonconformance with the groundwater-use restriction since its implementation in May 1999.

3.3.2 OU III GRO System

The GRO system includes eight vertical extraction wells strategically placed in the AOA to extract contaminated groundwater and an associated monitoring system. The water from the extraction wells is transmitted in buried pipelines to an aboveground holding tank in the Groundwater Transfer Building; from there, it is pumped through a buried water transmission line for about 1 mile to Pond 4 for evaporation.

The associated monitoring system consists of 22 wells installed in the AOA. Sixteen of the 22 wells were installed south of Montezuma Creek in 2014, and six wells were installed north of Montezuma Creek in 2017. These 22 monitoring wells are sampled recurrently following the extraction of approximately 1,000,000 gallons of water from the GRO system as stated in Section 1.5 of the *Remedial Action Completion Report for Operable Unit III Groundwater Contingency Remedy Optimization System, Monticello Mill Tailings Site, Monticello, Utah* (DOE 2016). A sampling event of 1,000,000 gallons was performed on October 15, 2024.

On August 7, 2023, a water transmission line leak was identified approximately 1360 feet southeast of the Groundwater Transfer Building on City of Monticello property. The leak was attributed to mechanical failure caused by ground subsidence. On October 25, 2023, site personnel conducted construction activities to repair the transmission line. On July 2, 2024, all soil samples were collected in accordance with the *Soil Sampling and Analysis Plan for Groundwater Transmission Line Leak, Monticello, Utah, Disposal and Processing Sites* (DOE 2024c) and the *Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management Sites* (DOE 2025b). LM submitted the *Groundwater Transmission Line Leak Report for the Monticello, Utah, Disposal and Processing Sites* to EPA and UDEQ during the month of July 2025. No further action regarding this matter is anticipated.

The GRO system was temporarily shut down following a power outage on March 18, 2025. As a result, both the Pond 4 LCRS and LDS were without power until March 25, 2025. After power was restored, the LCRS experienced a substantial increase in pumping activity with approximately 10,000 gallons pumped on March 26, 2025. Because of the high volume of water in the LCRS, the LDS also collected and pumped additional water—451 gallons on March 25 and 198 gallons on March 26. This led to a 7-day rolling average of 119 gallons per day, exceeding the LDS action level of 47 gallons per day, as reported to regulators on March 26, 2025.

Currently, there is no indication of a release to the environment. As a precaution, the GRO system will remain shut down to allow for evaluation, repairs, and coupon sampling activities.

3.3.2.1 GRO System Quarterly Performance Summary

The GRO system performance for the quarter is summarized here.

- The GRO system remained inactive during the reporting period, with no extraction of groundwater or uranium.
- During the quarter, the volume of water stored in Pond 4 decreased by approximately 1,190,000 gallons due to evaporation. The GRO system typically operates by balancing the extraction rate and the Pond 4 evaporation rate while maintaining the Pond 4 storage volume between 5,000,000 and 8,000,000 gallons (the maximum storage volume of Pond 4 is

approximately 15,600,000 gallons). Because of liner repairs, pond volumes have been depleted to allow access to portions of the damaged liner.

- Water-level monitoring during the quarter consisted of:
  - Continuous water-level monitoring in AOA extraction and monitoring wells using pressure transducers and dataloggers (programmed to record at 5-minute intervals) connected to the LM System Operation and Analysis at Remote Sites (SOARS) system.
- Cumulatively, the system has removed 34,945,902 gallons of contaminated groundwater from the aquifer since system startup in January 2015 (Table 1).
- Assuming a minimum AOA uranium plume pore volume of 2,400,000 gallons and a maximum pore volume of 3,300,000 gallons, the GRO system has removed between 10.6 and 14.6 pore volumes since system startup.
- From January 2015 through October 15, 2024, the GRO system removed approximately 165 pounds of uranium from the AOA aquifer (Table 2). Estimates of the cumulative uranium mass removed are updated only at sampling events.

Table 1. GRO System Treatment: Monthly Volumes and Rates for This Quarter and Cumulative Volumes Since January 2015

Calendar Month	Approximate Volume Pumped (millions of gallons)	Effective Pumping Rate (gpm)	Approximate Cumulative Volume (millions of gallons)[a]
April 2025	0.00	0.00	34.9
May 2025	0.00	0.00	34.9
June 2025	0.00	0.00	34.9

Note:
[a] Cumulative volume is based on the volume of groundwater extracted by the GRO system since system startup in January 2015.

Abbreviation:
gpm = gallons per minute

Table 2. Uranium Mass Removal from Groundwater in the AOA

Tank Effluent Sample Date[a]	Effluent Tank Uranium Concentration (µg/L)	Volume Removed Between Tank Samples (millions of gallons)	Uranium Removed (pounds)[b]	Cumulative Mass of Uranium Removed (pounds)[c]
July 1, 2024	304	1.03	2.8	162
October 15, 2024	326	1.00	2.6	165

Notes:
[a] Sampling occurs following the extraction of approximately 1,000,000 gallons.
[b] Uranium removed since the last sampling event. The estimate is based on the median concentration between sampling dates.
[c] Since GRO system startup in January 2015. Estimates of cumulative mass removed are updated every sampling event.

Abbreviation:
µg/L = micrograms per liter

Monitoring and reporting guidelines for the GRO system are described in the *Final Groundwater Contingency Remedy Optimization Remedial Design/Remedial Action Work Plan for the Monticello Mill Tailings Site Operable Unit III, Monticello, Utah* (DOE 2014). Evaluation of water quality trends and whether remediation goals are being met, in the AOA and sitewide, is beyond the scope of this FFA quarterly report but is provided in annual groundwater reports submitted to EPA and UDEQ.

3.3.3 OU III Closure Strategy

Regarding the OU III closure strategy, LM submitted the *Draft Feasibility Study for the Operable Unit III, Monticello Mill Tailings Site, Monticello, Utah* (DOE 2024a) to EPA and UDEQ on August 7, 2024. EPA and UDEQ provided comments to LM on the draft Feasibility Study on January 21, 2025. LM is currently reviewing and addressing comments received during meetings with EPA and UDEQ. Several scenarios are being evaluated to develop a closure strategy for OU III; these are detailed in the *OU III Closure Strategy for the Monticello Mill Tailings Site, Monticello, Utah* (DOE 2018).

4.0 Schedule of Activities and Deliverables

Table 3 summarizes the completion dates of recently completed and near-term planned activities and deliverables for the Monticello NPL sites.

Table 3. Monticello Sites' Recent and Near-Term Activities and Deliverables

Activity or Deliverable	Schedule
Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: January 1–March 31, 2025 (DOE 2025a)	Submitted to EPA and UDEQ on May 30, 2025.
Monticello Site Management Plan, Section 5.0, "Project Schedules and Milestones (FY 2025–FY 2027)" (DOE 2024b)	Will be submitted to regulators on August 1, 2025.
CERCLA Sixth Five-Year Review reports for the MVP and MMTS: • *Sixth Five-Year Review Report for Monticello Mill Tailings (USDOE) Site, San Juan County, Monticello, Utah* (DOE 2022b) • *Sixth Five-Year Review Report for Monticello Radioactively Contaminated Properties Superfund Site, San Juan County, Monticello, Utah* (DOE 2022c)	Submitted to EPA and UDEQ on May 2, 2022.
Five-Year Review addendum activities include the following:	**Submittal and proposed dates for Five-Year Review addendum documents:**
Submittal and resolution of errata sheets	Errata sheets were resolved and submitted on April 6, 2023.
DOE to confirm human health risk evaluation using the EPA Preliminary Remediation Goals calculator	Submitted on July 29, 2022.
LTS&M Plan clarification letter regarding Table 7	Letter submitted on March 2, 2023.
DOE to create and send an informational letter to landowners with deed restrictions that clearly explains the restrictions on their property	Letters were sent to landowners on December 19, 2022.

Table 3. Monticello Sites' Recent and Near-Term Activities and Deliverables (continued)

Activity or Deliverable	Schedule
Five-Year Review addendum activities include the following (continued):	**Submittal and proposed dates for Five-Year Review addendum documents (continued):**
DOE to update the Uniform Federal Policy for the Quality Assurance Project Plan (DOE 2023), Sampling and Analysis Plan, Program Directive 2021-10-MNT, and LTS&M Plan (DOE 2022a) to be consistent regarding the monitoring well network	Update was submitted on April 5, 2023.
DOE to evaluate ecological risk to aquatic organisms and terrestrial wildlife using current Utah water quality standards	Ecological Risk Evaluation response to EPA and UDEQ comments was submitted to EPA and UDEQ on December 31, 2023. DOE received approval from EPA and UDEQ via email on February 1, 2024, requesting inclusion in the Feasibility Study.
DOE to evaluate risk to human health and the environment using current Utah water quality standards	Submitted on December 31, 2023.
DOE to complete a Feasibility Study to evaluate the following: • IC options to prevent human consumption of water from Montezuma Creek as a domestic drinking water source against the nine criteria of the National Contingency Plan • Remedial alternatives for achieving the water quality restoration Remedial Action Objectives	Draft Feasibility Study was submitted on August 7, 2024. DOE is actively addressing and responding to regulator comments.
DOE to complete a vulnerability and resilience assessment for Monticello sites, provide the assessment to EPA and UDEQ, and schedule a meeting to discuss findings	LM's assessments completed in 2019 and 2022, along with the current wildfire mitigation project, satisfy the requirements of this deliverable, as documented in an EPA email dated March 3, 2025.
DOE to complete notification to potentially affected property owners regarding existing ICs, associated restrictions, the intent to establish surface water ICs, and other conditions applicable for privately-owned parcels	DOE mailed certified notification letters on September 26, 2024.
DOE to complete a letter to Utah Division of Water Rights (UDWR) for inclusion of Montezuma Creek surface water into the Area of Concern (AOC) Program	Draft AOC letter will be provided to regulators for review in August 2025 before being submitted to UDWR.
DOE received the Addendum to the Monticello Mill Tailings Five-Year Review Report after DOE provided responses to Addendum received on December 17, 2024.	DOE received Addendum document on July 2, 2025.
Near-Term Activities and Deliverables	**Schedule**
Annual Inspection for the DOE Monticello, Utah, Mill Tailings Site and Monticello Vicinity Properties	Inspection event is scheduled for September 9–11, 2025.
Fall semiannual groundwater and surface water sampling event	Sampling event is scheduled for October 6–9, 2025.
Revising the *Quality Assurance Project Plan, Monticello, Utah, Disposal and Processing Sites* (DOE 2023)	The updated Quality Assurance Project Plan will be submitted in summer 2025.
Spring semiannual groundwater and surface water sampling event	Completed on April 21–23, 2025.
1,000,000-gallon sampling event (AOA wells and Pond 4)	Completed on October 14–17, 2024.

5.0 References

42 USC 9601 et seq. "Comprehensive Environmental Response, Compensation, and Liability Act" as amended, *United States Code.*

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DOE (U.S. Department of Energy), 2022c. *Sixth Five-Year Review Report for Monticello Radioactively Contaminated Properties Superfund Site, San Juan County, Monticello, Utah*, LMS/MNT/S36208, Office of Legacy Management, June.

DOE (U.S. Department of Energy), 2023. *Quality Assurance Project Plan, Monticello, Utah, Disposal and Processing Sites*, LM-Plan-3-21-1.0-1.0, LMS/MNT/S27252-1.0, Office of Legacy Management, May.

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DOE (U.S. Department of Energy), 2024b. *Monticello Site Management Plan*, Section 5.0, "Project Schedules and Milestones (FY 2024–FY 2026)," Office of Legacy Management, August.

DOE (U.S. Department of Energy), 2024c. *Soil Sampling and Analysis Plan for Groundwater Transmission Line Leak, Monticello, Utah, Disposal and Processing Sites*, LMS/MNT/46277, Office of Legacy Management, April.

DOE (U.S. Department of Energy), 2025a. *Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: October 1–December 31, 2024*, LMS/MNT/50083, Office of Legacy Management, February.

DOE (U.S. Department of Energy), 2025b. *Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management Sites*, LMS/PRO/S04351-16.9, Office of Legacy Management, May.

Appendix A

Monthly and Quarterly Surveillance Checklists

Monthly Pond 4 Surveillance Checklist

Level of water in Pond 4 6.46 ft

Inspection Item	Acceptable		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	☒	☐	
Roads	☒	☐	
Signs	☒	☐	
Visible piping	☒	☐	
Visible liner and anchors	☐	☒	Simbeck & Assoc. on-site 04/30/2025, found tear in liner below water level, see notes.
Rescue equipment	☒	☐	Boat remains at pond.
Evidence of erosion of:			
Top of Pond 4 berm	☒	☐	
Pond 4 sideslopes	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Seepage from Pond 4	☒	☐	
Overtopping of Pond 4	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by wildlife	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	

Additional comments: Sampling hose still stuck in Pond. Tear in East bank cover fixed on 04/30/2025, along with 9 other holes in liner found by Simbeck & Associates while on site on 04/30/25 for Pond 4 liner repairs. The crew also took 2 samples for lab inspection from the liner and repaired the sample locations, totalling 11 patches done on 04/30/2025.

Monticello LM Representative: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.04.30 17:57:10 -06'00' Date: 04/30/2025

Monthly Pond 4 Surveillance Checklist

Repository Area Surveillance Checklist

☒ Monthly surveillance ☐ Quarterly surveillance: ☐ February ☐ May ☐ August ☐ November

☐ Storm event triggered surveillance due to _____ inches of rainfall over the past 24 hours.

Inspection Item	Acceptable Yes	Acceptable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	☒	☐	Staff fixed fence stays and barbed wire in multiple locations near P17, P18 and P28.
Roads[a]	☒	☐	Maintenance Roads were mowed on 04/02/2025.
Signs	☒	☐	
Site monuments	☒	☐	
Drainage ditches[a]	☒	☐	
Manholes	☒	☐	
Vegetation	☒	☐	
Evidence of erosion of:			
Top of disposal cell[a]	☒	☐	
Disposal cell sideslopes[a]	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by livestock	☒	☐	
Burrowing animal damage	☒	☐	Evidence found of burrowing animals on the North slope of disposal cell.
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	Collected trash along Western Fenceline near P40-P1.

Additional Quarterly Surveillance Requirements

Note: *All transects, shown in Figure 3-1, must be walked during this inspection.*

Condition of:			
Settlement plate structures	☐	☐	
Manholes[b]	☐	☐	
Sediment ponds	☐	☐	
Evidence of:	☐	☐	
Structural instability	☐	☐	

Additional comments:

Signature: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.04.30 22:33:33 -06'00' Date: 4/30/2025

Monticello LM Representative

[a]Inspections required following a significant storm event
[b]Open to inspect quarterly

Repository Area Surveillance Checklist

MONTHLY CLIMATOLOGICAL SUMMARY for APR. 2025

NAME: MNT CITY: STATE:
ELEV: 0 ft LAT: LONG:

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	33.7	47.3	12:30a	24.8	11:00p	31.3	0.0	0.02	9.6	35.0	3:00p	WNW
2	31.1	42.7	1:30p	20.4	7:00a	33.9	0.0	0.00	5.5	34.0	12:30p	SE
3	28.4	34.6	3:00p	23.0	11:00p	36.6	0.0	0.08	9.4	25.0	12:30p	SSE
4	30.8	40.6	2:00p	20.9	3:00a	34.2	0.0	0.03	7.2	24.0	6:00p	WNW
5	36.0	45.6	5:00p	29.3	6:00a	29.0	0.0	0.00	11.8	24.0	4:30p	NW
6	40.2	51.3	4:30p	27.4	4:00a	24.8	0.0	0.00	8.8	26.0	1:30p	WNW
7	47.9	61.3	2:30p	34.1	7:30a	17.1	0.0	0.00	5.6	19.0	4:30p	WNW
8	52.0	64.5	3:30p	39.9	6:30a	13.0	0.0	0.00	7.2	22.0	1:30p	SSE
9	56.2	69.8	4:00p	43.2	7:00a	9.6	0.8	0.00	6.2	25.0	4:30p	WSW
10	57.8	71.4	3:30p	45.2	7:30a	8.5	1.3	0.00	6.6	22.0	2:30p	NNW
11	60.3	74.1	3:30p	45.6	7:30a	7.2	2.5	0.00	7.1	25.0	2:30p	WSW
12	58.5	70.9	4:00p	42.6	6:00a	7.2	0.7	0.00	8.4	29.0	11:30a	SSE
13	57.3	68.9	5:30p	41.1	6:00a	8.2	0.5	0.00	8.0	30.0	12:00m	S
14	53.2	64.8	4:00p	40.3	7:00a	11.8	0.0	0.00	8.0	28.0	12:30a	NNW
15	55.1	66.7	2:30p	43.9	1:30a	10.0	0.1	0.00	6.6	27.0	3:00p	WSW
16	55.9	66.9	3:30p	42.9	5:30a	9.3	0.1	0.00	8.3	32.0	1:30p	SSW
17	50.0	60.1	3:30p	30.7	12:00m	15.0	0.0	0.00	14.3	41.0	3:00p	S
18	31.3	35.9	2:30a	28.1	3:30p	33.7	0.0	0.00	6.6	25.0	12:30a	NNW
19	34.0	44.8	5:00p	25.2	7:30a	31.0	0.0	0.20	14.2	30.0	6:30a	NW
20	43.9	57.1	6:00p	29.3	7:00a	21.1	0.0	0.00	5.0	22.0	2:30p	WNW
21	51.3	63.0	4:30p	39.4	7:00a	13.7	0.0	0.00	10.1	27.0	10:00a	SSE
22	54.7	66.5	4:00p	43.0	7:30a	10.4	0.1	0.00	8.2	29.0	2:00p	SW
23	55.8	67.1	4:00p	44.2	7:00a	9.3	0.1	0.00	7.1	24.0	2:30p	SSE
24	53.0	65.4	4:30p	39.1	7:00a	12.0	0.0	0.00	7.2	30.0	4:00p	SSE
25	55.1	67.4	5:00p	39.8	5:00a	10.1	0.2	0.00	10.6	37.0	2:30p	S
26	55.6	67.2	4:30p	37.8	7:00a	9.6	0.1	0.00	13.6	39.0	12:30p	S
27	47.0	54.8	5:00p	34.0	12:00m	18.0	0.0	0.00	12.3	35.0	10:00a	SSE
28	42.0	52.7	3:30p	28.8	7:00a	23.0	0.0	0.00	6.0	23.0	11:00a	WNW
29	46.9	59.3	1:00p	34.3	4:00a	18.1	0.0	0.00	6.3	23.0	3:30p	W
30	50.4	61.4	6:00p	33.2	6:30a	14.6	0.0	0.00	5.4	25.0	9:30p	WNW
	47.5	74.1	11	20.4	2	531.3	6.5	0.33	8.4	41.0	17	SSE

Max >= 90.0: 0
Max <= 32.0: 0
Min <= 32.0: 11
Min <= 0.0: 0
Max Rain: 0.20 ON 04/19/25
Days of Rain: 4 (>.01 in) 1 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

Monticello Long-Term Surveillance and Maintenance Temporary Storage Facility (TSF) Record Book Inspection Report

Are these areas acceptable?		
Yes	**No**	
☒	☐	Was the gate locked upon arrival?
☒	☐	Are signs posted in accordance with 10 CFR 835.602[a]?
☒	☐	Are all postings legible?
☒	☐	Are enclosures on the concrete bin and stored drum containers tight?
☒	☐	Are containers in good physical condition (no rust, no holes, no bulges, etc.)?
☒	☐	How much radiologically-contaminated material is in the concrete bin? *Note: the material should be shipped when the volume in storage approaches 75 percent of the storage capacity.*
☒	☐	Is the surface area of the TSF in good physical condition (no erosion, no flood damage, no excessive vegetation growth, etc.)?
☒	☐	Has radiological monitoring been conducted in accordance with 10 CFR 835.405[d]?
☒	☐	Is the security fence in good condition?

Comments:

The concrete bin contains 6.5 cubic yards of radiologically contaminated material.

WILLIAM CARY (Affiliate) Digitally signed by WILLIAM CARY (Affiliate)
Date: 2025.04.17 10:11:12 -06'00'

Signature of Monticello LM Representative

4/16/2025
Date of Inspection

Monthly Pond 4 Surveillance Checklist

Level of water in Pond 4 5.99 ft

Inspection Item	Acceptable		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	☒	☐	
Roads	☒	☐	
Signs	☒	☐	
Visible piping	☒	☐	
Visible liner and anchors	☐	☒	East Side wall rip in liner still under water.
Rescue equipment	☒	☐	Boat remains at pond.
Evidence of erosion of:			
Top of Pond 4 berm	☒	☐	
Pond 4 sideslopes	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Seepage from Pond 4	☒	☐	
Overtopping of Pond 4	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by wildlife	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	

Additional comments: SOARS team did regulatory maintenance at panels during the week of 05/19-05/22. Sampling hose still stuck in Pond.

Monticello LM Representative: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.06.02 09:07:11 -06'00' Date: 6/2/2025

Repository Area Surveillance Checklist

☒ Monthly surveillance ☒ Quarterly surveillance: ☐ February ☒ May ☐ August ☐ November

☐ Storm event triggered surveillance due to _____ inches of rainfall over the past 24 hours.

Inspection Item	Acceptable Yes	Acceptable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	☒	☐	
Roads[a]	☒	☐	
Signs	☒	☐	
Site monuments	☒	☐	
Drainage ditches[a]	☒	☐	
Manholes	☒	☐	
Vegetation	☒	☐	
Evidence of erosion of:			
Top of disposal cell[a]	☒	☐	
Disposal cell sideslopes[a]	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by livestock	☒	☐	
Burrowing animal damage	☒	☐	Evidence found of burrowing animals on the South slope of disposal cell.
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	

Additional Quarterly Surveillance Requirements

Note: *All transects, shown in Figure 3-1, must be walked during this inspection.*

Condition of:			
Settlement plate structures	☒	☐	
Manholes[b]	☒	☐	
Sediment ponds	☒	☐	
Evidence of:	☐	☐	
Structural instability	☒	☐	

Additional comments: Vegetation was disturbed during Lysimeter soil moisture repair project, with excavation of ground in the lysimeter area of the disposal cell. Area will be reseeded.

Signature: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.06.02 09:27:30 -06'00' Date: 06/02/2025

Monticello LM Representative

[a]Inspections required following a significant storm event
[b]Open to inspect quarterly

MONTHLY CLIMATOLOGICAL SUMMARY for MAY. 2025

NAME: MNT CITY: STATE:
ELEV: 0 ft LAT: LONG:

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	51.0	62.5	4:00p	41.3	7:00a	14.0	0.0	0.00	8.0	22.0	3:00p	NW
2	53.4	66.8	4:30p	39.2	6:30a	11.7	0.1	0.00	6.2	23.0	3:30p	W
3	55.8	70.0	5:00p	35.7	6:30a	10.0	0.8	0.00	8.8	34.0	8:30p	SSE
4	47.4	58.7	12:30p	40.9	12:00m	17.6	0.0	0.14	5.3	30.0	3:00p	SE
5	41.9	49.0	4:30p	37.0	12:00m	23.1	0.0	0.05	5.8	26.0	2:00p	SSE
6	44.3	56.5	4:00p	34.0	6:00a	20.7	0.0	0.00	5.9	26.0	5:00p	NW
7	46.9	58.1	5:30p	39.3	3:30a	18.1	0.0	0.00	3.8	20.0	6:30p	SE
8	53.4	66.7	6:30p	38.9	6:30a	11.7	0.1	0.00	4.8	21.0	5:00p	S
9	59.0	72.1	4:30p	43.6	7:00a	7.3	1.3	0.00	4.4	19.0	5:30p	SSW
10	59.6	72.6	4:30p	49.6	6:00a	6.9	1.5	0.00	7.6	24.0	11:00a	SSE
11	62.1	73.8	3:30p	49.7	12:30a	5.2	2.3	0.00	9.7	32.0	11:30a	SSE
12	64.5	77.0	5:00p	50.6	1:30a	4.2	3.7	0.00	11.0	34.0	2:00p	S
13	58.6	71.6	3:30p	44.3	11:30p	7.3	0.9	0.00	14.1	46.0	4:30p	SSE
14	44.5	53.1	5:00p	34.1	5:30a	20.5	0.0	0.00	7.4	31.0	1:30p	W
15	47.0	58.2	6:30p	32.3	7:00a	18.0	0.0	0.00	5.2	24.0	12:30p	WNW
16	54.1	67.3	4:30p	39.6	6:30a	11.0	0.1	0.00	6.0	27.0	1:00p	SW
17	57.2	68.1	2:30p	43.3	6:00a	8.2	0.4	0.00	9.8	34.0	1:00p	S
18	45.9	56.4	12:30a	37.5	12:30p	19.1	0.0	0.35	8.8	29.0	8:00a	SSE
19	42.0	49.7	6:30p	33.3	5:30a	23.0	0.0	0.01	9.7	33.0	2:30p	NW
20	50.3	64.1	5:00p	33.1	5:00a	14.7	0.0	0.00	7.2	23.0	12:30p	NW
21	60.6	74.0	5:00p	46.7	12:30a	6.5	2.1	0.00	6.8	19.0	5:00p	SSW
22	64.8	77.5	4:00p	49.2	6:00a	4.1	4.0	0.00	8.1	28.0	2:00p	SSE
23	66.2	77.9	5:00p	51.9	5:30a	2.8	4.0	0.00	8.0	29.0	2:00p	SSW
24	62.9	73.3	5:00p	51.9	6:30a	4.4	2.3	0.00	8.1	27.0	1:30p	S
25	59.8	72.4	4:30p	43.2	6:30a	6.8	1.6	0.00	7.2	24.0	1:30p	SSE
26	59.5	71.3	5:00p	46.7	4:00a	6.9	1.4	0.00	8.8	36.0	3:30p	NW
27	64.3	77.1	5:30p	46.0	1:30a	4.7	4.0	0.00	5.8	21.0	2:30p	WSW
28	66.0	79.0	4:00p	52.2	5:30a	3.4	4.4	0.00	5.9	37.0	7:30p	W
29	66.2	78.2	5:00p	51.8	6:00a	3.3	4.5	0.00	6.1	25.0	2:30p	WNW
30	69.1	81.8	3:30p	54.1	6:30a	2.6	6.7	0.00	6.4	25.0	3:00p	NNW
31	71.2	83.5	3:00p	55.9	5:30a	1.3	7.5	0.00	5.4	22.0	12:30p	WSW
	56.4	83.5	31	32.3	15	319.1	53.7	0.55	7.3	46.0	13	SSE

Max >= 90.0: 0
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.35 ON 05/18/25
Days of Rain: 3 (>.01 in) 2 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

Monthly Pond 4 Surveillance Checklist

Level of water in Pond 4 5.34 ft

Inspection Item	Acceptable		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	☒	☐	
Roads	☒	☐	
Signs	☒	☐	
Visible piping	☒	☐	
Visible liner and anchors	☒	☐	
Rescue equipment	☒	☐	New life vests ordered for cabinets at Pond.
Evidence of erosion of:			
Top of Pond 4 berm	☒	☐	Small animal burrows on South East .
Pond 4 sideslopes	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Seepage from Pond 4	☒	☐	
Overtopping of Pond 4	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by wildlife	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	Trash picked up around Pond.

Additional comments: Sampling hose still stuck in Pond. Staff still monitoring water levels for low threshold to finish liner repair.

Monticello LM Representative: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.06.30 16:25:35 -06'00' Date: 6/30/2025

Repository Area Surveillance Checklist

☒ Monthly surveillance ☐ Quarterly surveillance: ☐ February ☐ May ☐ August ☐ November

☐ Storm event triggered surveillance due to _____ inches of rainfall over the past 24 hours.

Inspection Item	Acceptable Yes	Acceptable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	☒	☐	Fence stretched and repaired near P2 and another near P14.
Roads[a]	☒	☐	
Signs	☒	☐	
Site monuments	☒	☐	
Drainage ditches[a]	☒	☐	
Manholes	☒	☐	
Vegetation	☒	☐	
Evidence of erosion of:			
Top of disposal cell[a]	☒	☐	
Disposal cell sideslopes[a]	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by livestock	☒	☐	
Burrowing animal damage	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	
Additional Quarterly Surveillance Requirements			
Note: *All transects, shown in Figure 3-1, must be walked during this inspection.*			
Condition of:			
Settlement plate structures	☐	☐	
Manholes[b]	☐	☐	
Sediment ponds	☐	☐	
Evidence of:	☐	☐	
Structural instability	☐	☐	

Additional comments: Vegetation was disturbed during Lysimeter soil moisture repair project in May from excavation of ground in the lysimeter part of the repository/disposal cell. Planning to have area reseeded in late summer or fall.

Signature: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.06.30 16:07:21 -06'00' Date: 6/30/2025

Monticello LM Representative

[a]Inspections required following a significant storm event
[b]Open to inspect quarterly

MONTHLY CLIMATOLOGICAL SUMMARY for JUN. 2025

NAME: test CITY: STATE:
ELEV: 0 ft LAT: LONG:

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	71.5	83.6	1:30p	58.3	4:00a	1.0	7.5	0.00	7.7	29.0	4:00p	SSE
2	58.4	71.4	12:30a	52.3	12:00m	6.9	0.4	0.20	6.4	22.0	7:00a	SSE
3	57.9	73.0	5:30p	45.1	4:30a	7.9	0.8	0.00	4.7	24.0	12:00m	W
4	55.0	64.4	1:30p	46.9	11:00p	10.0	0.0	0.10	7.6	24.0	10:00a	S
5	54.4	64.1	6:00p	46.1	12:30a	10.6	0.0	0.06	7.9	23.0	3:00p	SE
6	57.6	70.8	6:00p	45.6	6:00a	8.0	0.6	0.01	5.3	26.0	6:30p	NW
7	64.2	77.4	5:00p	49.8	5:00a	4.8	4.0	0.00	4.6	18.0	1:00p	NNW
8	70.1	80.7	5:00p	58.4	5:00a	1.5	6.5	0.00	8.8	27.0	12:00p	WSW
9	67.8	80.5	12:00p	57.7	5:00a	1.5	4.3	0.00	5.5	24.0	12:30p	WSW
10	68.0	83.2	4:30p	52.9	6:00a	2.8	5.8	0.00	6.5	30.0	3:00p	SSE
11	70.3	83.9	5:30p	54.6	5:00a	1.2	6.5	0.03	6.4	28.0	1:30p	SSE
12	73.6	84.5	4:30p	60.9	7:00a	0.2	8.8	0.00	9.1	28.0	4:00p	SSE
13	71.3	84.9	4:30p	53.5	6:00a	1.7	7.9	0.00	8.0	31.0	5:30p	SSE
14	72.4	86.9	5:00p	52.6	6:00a	1.5	8.9	0.00	7.0	25.0	2:00p	SSE
15	75.4	89.1	5:00p	56.3	5:30a	1.0	11.5	0.00	7.2	26.0	1:30p	WSW
16	77.0	88.6	4:30p	60.6	6:00a	0.2	12.2	0.00	8.9	29.0	4:00p	WSW
17	75.9	84.2	3:30p	61.5	12:00m	0.1	11.0	0.00	10.5	32.0	1:30a	WSW
18	71.4	85.6	4:30p	54.1	3:00a	1.8	8.2	0.00	6.8	22.0	3:30p	WNW
19	76.7	90.1	3:30p	58.8	4:30a	0.5	12.2	0.00	8.7	30.0	4:00p	S
20	75.0	87.9	3:30p	55.0	6:00a	0.9	10.9	0.00	11.6	45.0	4:30p	S
21	70.2	81.9	5:30p	53.2	5:30a	1.7	6.9	0.00	13.4	51.0	2:00p	SSE
22	65.9	76.7	5:00p	52.1	6:30a	2.8	3.7	0.00	10.5	41.0	1:30p	S
23	64.9	78.5	6:00p	45.5	5:30a	4.2	4.1	0.00	7.7	31.0	12:30p	SSE
24	67.2	80.2	5:00p	51.7	6:00a	3.2	5.4	0.00	8.0	31.0	2:30p	S
25	67.8	80.0	4:00p	55.9	12:30a	2.5	5.3	0.00	6.9	30.0	4:00p	SW
26	70.4	82.9	4:00p	53.6	6:30a	2.1	7.5	0.00	7.3	26.0	1:00p	WSW
27	72.1	84.1	4:00p	54.7	3:30a	1.6	8.7	0.00	7.4	26.0	12:30p	SSE
28	73.2	85.9	5:00p	57.6	6:30a	0.8	9.0	0.00	7.4	27.0	12:30p	S
29	75.3	86.9	12:30p	57.0	6:00a	0.6	10.8	0.00	5.2	27.0	1:30p	WSW
30	74.5	86.0	12:30p	61.3	5:30a	0.3	9.8	0.00	6.6	31.0	1:30p	W
	68.8	90.1	19	45.1	3	83.9	199.2	0.40	7.7	51.0	21	SSE

Max >= 90.0: 1
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.20 ON 06/02/25
Days of Rain: 4 (>.01 in) 1 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

Monticello Long-Term Surveillance and Maintenance Temporary Storage Facility (TSF) Record Book Inspection Report

Are these areas acceptable?		
Yes	**No**	
☒	☐	Was the gate locked upon arrival?
☒	☐	Are signs posted in accordance with 10 CFR 835.602[a]?
☒	☐	Are all postings legible?
☒	☐	Are enclosures on the concrete bin and stored drum containers tight?
☒	☐	Are containers in good physical condition (no rust, no holes, no bulges, etc.)?
☒	☐	How much radiologically-contaminated material is in the concrete bin? *Note: the material should be shipped when the volume in storage approaches 75 percent of the storage capacity.*
☒	☐	Is the surface area of the TSF in good physical condition (no erosion, no flood damage, no excessive vegetation growth, etc.)?
☒	☐	Has radiological monitoring been conducted in accordance with 10 CFR 835.405[d]?
☒	☐	Is the security fence in good condition?

Comments:

The concrete bin contains 6.5 cubic yards of radiologically contaminated material.

WILLIAM CARY (Affiliate) Digitally signed by WILLIAM CARY (Affiliate) Date: 2025.06.26 07:01:32 -06'00'

Signature of Monticello LM Representative

6/25/2025

Date of Inspection

Appendix B

Graphs Showing Performance History for Disposal Cell and Pond 4 LCRS and LDS

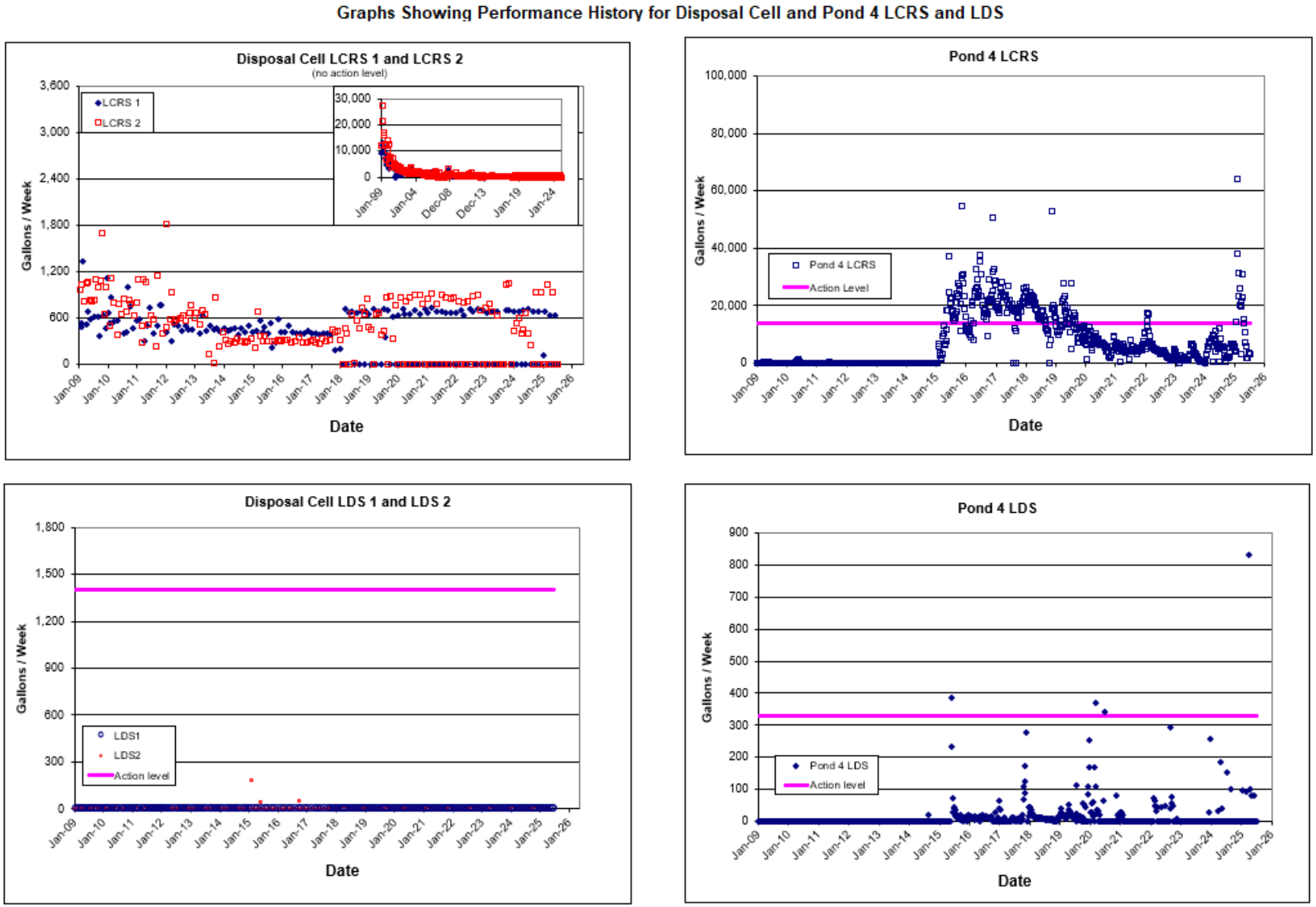

Figure B-1. Graphs Showing Performance History for Disposal Cell and Pond 4 LCRS and LDS